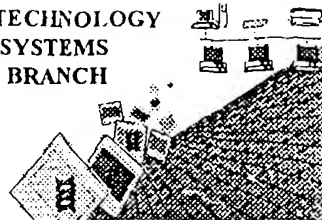# RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/714,564_

Source: _1Fwo_

Date Processed by STIC: _11/29/03_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/12/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.1 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
<u>http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm</u>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
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<u>Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:</u>

1. EFS-Bio (<u><http://www.uspto.gov/ebc/efs/downloads/documents.htm></u> , **EFS Submission User Manual** - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (**EFFECTIVE 12/01/03**):
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

RAW SEQUENCE LISTING   DATE: 11/29/2003
PATENT APPLICATION: US/10/714,564   TIME: 11:22:56

Input Set : **E:\418.app.txt**
Output Set: **N:\CRF4\11282003\J714564.raw**

```
      4 <110> APPLICANT: Blaschuk, Orest W.
      5         Michaud, Stephanie D.
      7 <120> TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
      8         FUNCTIONS OF NONCLASSICAL CADHERINS
     11 <130> FILE REFERENCE: 100086.418
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/714,564
     14 <141> CURRENT FILING DATE: 2003-11-14
     16 <160> NUMBER OF SEQ ID NOS: 1402
     18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
     20 <210> SEQ ID NO: 1
     21 <211> LENGTH: 6
     22 <212> TYPE: PRT
     23 <213> ORGANISM: Artificial Sequence
     25 <220> FEATURE:
     26 <223> OTHER INFORMATION: Trp-containing CAR sequence
W--> 28 <221> NAME/KEY: VARIANT
     29 <222> LOCATION: 1
     30 <223> OTHER INFORMATION: Xaa = Glu or Ala
W--> 32 <221> VARIANT
     33 <222> LOCATION: 3
     34 <223> OTHER INFORMATION: Xaa = Ile or Val
W--> 36 <221> VARIANT
     37 <222> LOCATION: 4
     38 <223> OTHER INFORMATION: Xaa = Lys or Thr
W--> 40 <221> VARIANT
     41 <222> LOCATION: 5
     42 <223> OTHER INFORMATION: Xaa = Phe or Ala
W--> 44 <221> VARIANT
     45 <222> LOCATION: 6
     46 <223> OTHER INFORMATION: Xaa = Ala or Pro
W--> 48 <400> 1
W--> 49 Xaa Trp Xaa Xaa Xaa Xaa
     50 1               5
     53 <210> SEQ ID NO: 2
     54 <211> LENGTH: 5
     55 <212> TYPE: PRT
     56 <213> ORGANISM: Artificial Sequence
     58 <220> FEATURE:
     59 <223> OTHER INFORMATION: Trp-containing CAR sequence
     61 <400> SEQUENCE: 2
     62 Trp Ala Pro Ile Pro
     63 1               5
     66 <210> SEQ ID NO: 3
```

RAW SEQUENCE LISTING   DATE: 11/29/2003
PATENT APPLICATION: US/10/714,564   TIME: 11:22:56

Input Set : **E:\418.app.txt**
Output Set: **N:\CRF4\11282003\J714564.raw**

```
        67 <211> LENGTH: 5
        68 <212> TYPE: PRT
        69 <213> ORGANISM: Unknown
        71 <220> FEATURE:
        72 <223> OTHER INFORMATION: Calcium binding motif
        74 <220> FEATURE:
        75 <221> NAME/KEY: VARIANT
        76 <222> LOCATION: 2
        77 <223> OTHER INFORMATION: Xaa = any amino acid
        79 <400> SEQUENCE: 3
W-->    80 Asp Xaa Asn Asp Asn
        81   1               5
        84 <210> SEQ ID NO: 4
        85 <211> LENGTH: 4
        86 <212> TYPE: PRT
        87 <213> ORGANISM: unknown
        89 <220> FEATURE:
        90 <223> OTHER INFORMATION: Calcium binding motif
        92 <400> SEQUENCE: 4
        93 Leu Asp Arg Glu
        94   1
        97 <210> SEQ ID NO: 5
        98 <211> LENGTH: 6
        99 <212> TYPE: PRT
C-->   100 <213> ORGANISM: uencArtificial Sequence
       102 <220> FEATURE:
       103 <223> OTHER INFORMATION: Trp-containing CAR sequence
W-->   105 <221> NAME/KEY: VARIANT
       106 <222> LOCATION: 1
       107 <223> OTHER INFORMATION: Xaa = Gly, Asp or Ser
W-->   109 <221> VARIANT
       110 <222> LOCATION: 3
       111 <223> OTHER INFORMATION: Xaa = Val, Ile or Met
W-->   113 <400> 5
W-->   114 Xaa Trp Xaa Trp Asn Gln
       115   1               5
       118 <210> SEQ ID NO: 6
       119 <211> LENGTH: 6
       120 <212> TYPE: PRT
       121 <213> ORGANISM: Artificial Sequence
       123 <220> FEATURE:
       124 <223> OTHER INFORMATION: Trp-containing CAR sequence
       126 <400> SEQUENCE: 6
       127 Ala Trp Val Ile Pro Pro
       128   1               5
       131 <210> SEQ ID NO: 7
       132 <211> LENGTH: 4
       133 <212> TYPE: PRT
       134 <213> ORGANISM: unknown
```

RAW SEQUENCE LISTING   DATE: 11/29/2003
PATENT APPLICATION: **US/10/714,564**   TIME: 11:22:56

Input Set : **E:\418.app.txt**
Output Set: **N:\CRF4\11282003\J714564.raw**

```
    136 <220> FEATURE:
    137 <223> OTHER INFORMATION: Calcium binding motif
    139 <220> FEATURE:
    140 <221> NAME/KEY: VARIANT
    141 <222> LOCATION: 1,3
    142 <223> OTHER INFORMATION: Xaa = any amino acid
    145 <400> SEQUENCE: 7
W-->146 Xaa Asp Xaa Glu
    147  1
    150 <210> SEQ ID NO: 8
    151 <211> LENGTH: 5
    152 <212> TYPE: PRT
    153 <213> ORGANISM: unknown
    155 <220> FEATURE:
    156 <223> OTHER INFORMATION: Calcium binding motif
    158 <220> FEATURE:
    159 <221> NAME/KEY: VARIANT
    160 <222> LOCATION: 2,3,5
    161 <223> OTHER INFORMATION: Xaa = any amino acid
    164 <400> SEQUENCE: 8
W-->165 Asp Xaa Xaa Asp Xaa
    166  1               5
    169 <210> SEQ ID NO: 9
    170 <211> LENGTH: 4
    171 <212> TYPE: PRT
    172 <213> ORGANISM: unknown
    174 <220> FEATURE:
    175 <223> OTHER INFORMATION: Calcium binding motif
    177 <400> SEQUENCE: 9
    178 Met Asp Arg Glu
    179  1
    182 <210> SEQ ID NO: 10
    183 <211> LENGTH: 4
    184 <212> TYPE: PRT
    185 <213> ORGANISM: unknown
    187 <220> FEATURE:
    188 <223> OTHER INFORMATION: Calcium binding motif
    190 <400> SEQUENCE: 10
    191 Leu Asp Phe Glu
    192  1
    195 <210> SEQ ID NO: 11
    196 <211> LENGTH: 4
    197 <212> TYPE: PRT
    198 <213> ORGANISM: unknown
    200 <220> FEATURE:
    201 <223> OTHER INFORMATION: Calcium binding motif
    203 <400> SEQUENCE: 11
    204 Leu Asp Tyr Glu
    205  1
```

RAW SEQUENCE LISTING   DATE: 11/29/2003
PATENT APPLICATION: **US/10/714,564**   TIME: 11:22:56

Input Set : **E:\418.app.txt**
Output Set: **N:\CRF4\11282003\J714564.raw**

```
208 <210> SEQ ID NO: 12
209 <211> LENGTH: 4
210 <212> TYPE: PRT
211 <213> ORGANISM: Unknown
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Calcium binding motif
216 <400> SEQUENCE: 12
217 Ile Asp Arg Glu
218  1
221 <210> SEQ ID NO: 13
222 <211> LENGTH: 4
223 <212> TYPE: PRT
224 <213> ORGANISM: Unknown
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Calcium binding motif
229 <400> SEQUENCE: 13
230 Val Asp Arg Glu
231  1
234 <210> SEQ ID NO: 14
235 <211> LENGTH: 4
236 <212> TYPE: PRT
237 <213> ORGANISM: Unknown
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Calcium binding motif
242 <400> SEQUENCE: 14
243 Ile Asp Phe Glu
244  1
247 <210> SEQ ID NO: 15
248 <211> LENGTH: 11
249 <212> TYPE: PRT
250 <213> ORGANISM: Unknown
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Third calcium binding motif found within most
254           cadherin repeats
```
W--> 256 `<221> NAME/KEY: VARIANT`
```
257 <222> LOCATION: 1
258 <223> OTHER INFORMATION: Xaa = Leu, Ile or Val
```
W--> 260 `<221> VARIANT`
```
261 <222> LOCATION: 3
262 <223> OTHER INFORMATION: Xaa = Leu, Ile or Val
```
W--> 264 `<221> VARIANT`
```
265 <222> LOCATION: 9
266 <223> OTHER INFORMATION: Xaa = Asn or His
```
W--> 268 `<400> 15`
W--> 269 Xaa Xaa Xaa Xaa Asp Xaa Asn Asp Xaa Xaa Pro
```
270  1               5               10
273 <210> SEQ ID NO: 16
274 <211> LENGTH: 6
275 <212> TYPE: PRT
```

what about Xaa's at locations 2, 4, 6, and 10?

RAW SEQUENCE LISTING   DATE: 11/29/2003
PATENT APPLICATION: US/10/714,564   TIME: 11:22:56

Input Set : E:\418.app.txt
Output Set: N:\CRF4\11282003\J714564.raw

276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Representative atypical cadherin Trp-containing
280   CAR sequence
282 <400> SEQUENCE: 16
283 Gly Trp Val Trp Asn Gln
284 1   5
287 <210> SEQ ID NO: 17
288 <211> LENGTH: 6
289 <212> TYPE: PRT
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Representative atypical cadherin Trp-containing
294   CAR sequence
296 <400> SEQUENCE: 17
297 Asp Trp Ile Trp Asn Gln
298 1   5
301 <210> SEQ ID NO: 18
302 <211> LENGTH: 6
303 <212> TYPE: PRT
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Representative atypical cadherin Trp-containing
308   CAR sequence
310 <400> SEQUENCE: 18
311 Ser Trp Met Trp Asn Gln
312 1   5
315 <210> SEQ ID NO: 19
316 <211> LENGTH: 6
317 <212> TYPE: PRT
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Representative atypical cadherin Trp-containing
322   CAR sequence
324 <400> SEQUENCE: 19
325 Ser Trp Val Trp Asn Gln
326 1   5
329 <210> SEQ ID NO: 20
330 <211> LENGTH: 6
331 <212> TYPE: PRT
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Representative atypical cadherin Trp-containing
336   CAR sequence
338 <400> SEQUENCE: 20
339 Gly Trp Met Trp Asn Gln
340 1   5
343 <210> SEQ ID NO: 21
344 <211> LENGTH: 4

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 11/29/2003
PATENT APPLICATION: **US/10/714,564**   TIME: 11:22:57

Input Set : **E:\418.app.txt**
Output Set: **N:\CRF4\11282003\J714564.raw**

Please Note:
**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.**

Seq#:1; Xaa Pos. 1,3,4,5,6
Seq#:3; Xaa Pos. 2
Seq#:5; Xaa Pos. 1,3
Seq#:7; Xaa Pos. 1,3
Seq#:8; Xaa Pos. 2,3,5
Seq#:15; Xaa Pos. 1,2,3,4,6,9,10
Seq#:167; Xaa Pos. 1,3,4,5,6
Seq#:1310; Xaa Pos. 2,3,4,5,6,7
Seq#:1311; Xaa Pos. 1,3,4,5,6,7,8
Seq#:1331; Xaa Pos. 2
Seq#:1332; Xaa Pos. 2
Seq#:1340; Xaa Pos. 5
Seq#:1343; Xaa Pos. 2
Seq#:1344; Xaa Pos. 2